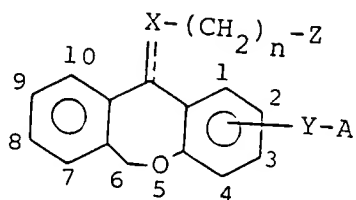


What is Claimed is:

1. A dibenz[b,e]oxepin compound represented by the formula (I)



(I)

wherein

A represents a hydroxymethyl, a lower alkoxyethyl, a triphenylmethyloxyethyl, a lower alkanoyloxyethyl, a lower alkanoyl, a carboxy, a lower alkoxy carbonyl, a triphenylmethyloxycarbonyl, 4,4-dimethyl-2-oxazoline-2-yl group, -CONHOH or -CONR<sub>1</sub>R<sub>2</sub> wherein R<sub>1</sub> and R<sub>2</sub> are the same or different and represent hydrogen atom or lower alkyl;

Y represents -(CH<sub>2</sub>)<sub>m</sub>-, -CHR<sub>3</sub>-(CH<sub>2</sub>)<sub>m</sub>- or -CR<sub>4</sub>=CR<sub>5</sub>-(CH<sub>2</sub>)<sub>m</sub>- wherein R<sub>3</sub> represents a lower alkyl, R<sub>4</sub> and R<sub>5</sub> are the same or different and represent a hydrogen atom or a lower alkyl, and m is 0, 1, 2, 3 or 4, which is the substituent at 2- or 3-position of the mother nucleus and the left side of the group Y is bound to benzen nucleus;

X represents =N-, =CH- or -CH<sub>2</sub>-;

n is 0, 1, 2, 3 or 4;

Z represents 4-methylpiperazino, 4-methylhomopiperazino, piperidino, pyrrolidino, thiomorpholino, morpholino or -NR<sub>6</sub>R<sub>7</sub> wherein R<sub>6</sub> and R<sub>7</sub> are the same or different and represent hydrogen atom or a lower alkyl;

and --- means single bond or double bond;

and the pharmaceutically acceptable salts thereof.

2. A compound according to claim 1, wherein said salt is selected from acid addition salt, metal salt,

87

ammonium salt, organic amine addition salt, and amino acid addition salt.

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P1*

3. A compound according to claim 1, wherein A is a member selected from the group consisting of hydroxymethyl, lower alkoxy carbonyl,  $-\text{CONR}_1\text{R}_2$  and carboxyl; Y is bound at 2-position of the mother nucleus; X is a member selected from the group consisting of  $=\text{N}-$  and  $=\text{CH}-$ ; n is 1 or 2; and Z is a member selected from the group consisting of dimethylamino, diethylamino, methylamino, amino, morpholino and thiomorpholino.

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P2*

4. A compound according to claim 3, wherein Y is a member selected from the group consisting of  $-(\text{CH}_2)_m-$ ,  $-\text{CH}(\text{CH}_3)-(\text{CH}_2)_m-$  and  $\text{CH}=\text{CH}-(\text{CH}_2)_m-$ ; and m is 0, 1 or 2.

5. A compound according to claim 4, wherein A is a member selected from the group consisting of hydroxymethyl and carboxyl; and X is  $=\text{CH}-$ .

6. A compound according to claim 1, wherein -Y-A is a member selected from the group consisting of carboxyl, carboxymethyl, 2-carboxyethyl, 2-hydroxyethyl and 2-carboxyethenyl X is  $=\text{CH}-$ , n is 2 and Z is a member selected from the group consisting of dimethylamino, diethylamino, methylamino, amino, morpholino and thiomorpholino.

7. A compound according to claim 1, wherein -Y-A is 2-COOH, X is  $=\text{CH}-$ , n is 2 and Z is dimethylamino.

8. A compound according to claim 1, wherein -Y-A is 2-COOH, X is  $=\text{CH}-$ , n is 2 and Z is diethylamino.

9. A compound according to claim 1, wherein -Y-A is 2- $\text{CH}_2\text{COOH}$ , X is  $=\text{CH}-$ , n is 2 and Z is dimethylamino.

10. A compound according to claim 1, wherein -Y-A is 2- $\text{CH}_2\text{CH}_2\text{COOH}$ , X is  $=\text{CH}-$ , n is 2 and Z is dimethylamino.

11. A compound according to claim 1, wherein -Y-A is 2-CH<sub>2</sub>CH<sub>2</sub>OH, X is =CH-, n is 2 and Z is dimethylamino.

12. A compound according to claim 1, wherein -Y-A is 2-CH<sub>2</sub>COOH, X is =N-, n is 2 and Z is dimethylamino.

13. A compound according to claim 1, wherein -Y-A is 2-COOH, X is =CH-, n is 2 and Z is morpholino.

14. A compound according to claim 1, wherein -Y-A is 2-COOH, X is =CH-, n is 2 and Z is thiomorpholino.

15. A compound according to claim 1, wherein -Y-A is 2-CH=CHCOOH, X is =CH-, n is 2 and Z is dimethylamino.

16. A compound according to claim 1, wherein -Y-A is 2-COOH, X is =CH-, n is 2 and Z is methylamino.

17. A compound according to claim 1, wherein -Y-A is 2-COOH, X is =CH-, n is 2 and Z is amino.

18. A pharmaceutical composition comprising a pharmaceutical carrier and as an active ingredient, an effective amount of a dibenz[b,e]oxepin compound defined in claim 1.

19. A pharmaceutical composition according to claim 18, wherein said compound is defined in claim 6.

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191

75